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## Certificate of analysis

### Reference #: 2020012-015/827

Manufacturing date: **Mar/10/2020**Analysis date: **Mar/13/2020**

|              |   |                   |   |        |                                    |
|--------------|---|-------------------|---|--------|------------------------------------|
| Product name | <b>Zirconium(IV) t-butoxide, 98 % (99.99% - Zr)</b> |                   |   |        |                                    |
| Ereztech #   | <b>ZR1121</b>                                       | CAS#              | <b>2081-12-1</b>  | Purity | <b>99.71% (by integration NMR)</b> |
| Lot/batch #  | <b>015/827</b>                                      | Net weight/volume | <b>500g</b>   | Seal # | <b>N/A</b>                         |
| Packaging    | <b>5 glass ampules x 100g</b>                       | Storage           | <b>Moisture sensitive. Store cold. Shelf life 1 year.</b> |        |                                    |
| CofO         | <b>Russia</b>                                       |                   |   |        |                                    |

|                      |   |
|----------------------|---|
| Analytical results   |   |
| Appearance           | <b>Colorless liquid</b>                                     |
| NMR H1               | <b>Conforms to structure</b>                                |
| Purity               | <b>99.71%</b>   |
| Impurity weight, ppm | <b>Al: &lt;46</b><br><b>Ti: &lt;50</b><br><b>Si: &lt;10</b> |